VT 005 217

ED 022 895

By-Stein, Robert L. NEW DEFINITIONS FOR EMPLOYMENT AND UNEMPLOYMENT. Bureau of Labor Statistics (Dept. of Labor), Washington, D.C.

Pub Date 67

Note-26p.; Reprint

Journal Cit-Employment and Earnings and Monthly Report on the Labor Force; Feb 1967

EDRS Price MF-\$0.25 HC-\$1.12

Descriptors-EMPLOYEES, *EMPLOYMENT LEVEL, INDIVIDUAL CHARACTERISTICS, LABOR ECONOMICS, LABOR FORCE, LABOR FORCE NONPARTICIPANTS, OCCUPATIONAL SURVEYS, *RESEARCH METHODOLOGY,

UNEMPLOYED, *UNEMPLOYMENT

Improvements in methods for measuring employment and unemployment that went into effect in January 1967, new definitions, and comparisons of data collected by the Current Population Survey (CPS) and the new Monthly Labor Survey (MLS) are presented. The improvements are in line with the recommendations of the Gordon Committee in its 1962 report. Some changes are expanding the sample to 52,500 households, raising the lower age limit from 14 to 16 years, sharpening and clarifying the definition of unemployment, improving the reporting on other items such as hours of work and self employment, and developing a body of new information for persons not in the labor force. On the whole, the new MLS shows a slightly lower unemployment rate than the CPS. Fourteen tables comparing MLS and CPS data include (1) Employment Status by Color, Age, and Sex, Annual Average 1366, (2) Major Unemployment Rates, (3) Unemployment by Age and Sex, (4) Unemployed Persons by Full- or Part-Time Status, Age, and Sex, and (5) Employed Persons by Class of Worker and Occupational Group. (MM)



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NEW DEFINITIONS FOR EMPLOYMENT AND UNEMPLOYMENT

Reprinted from February 1967 Employment and Earnings and Monthly Report on the Labor Force

ED022895

U.S. DEPARTMENT OF LABORS Bureau of Labor Statistics





NEW DEFINITIONS FOR EMPLOYMENT AND UNEMPLOYMENT

by Robert L. Stein*

Some improvements in the methods for measuring employment and unemployment went into effect this month with the publication of the January 1967 statistics from the Current Population Survey (CPS). The improvements are in line with the basic recommendations of the President's Committee to Appraise Employment and Unemployment Statistics (The Gordon Committee), as set forthinits 1962 report, Measuring Employment and Unemployment.

The sample has been expanded to 52,500 households, the lower age limit has been raised from 14 to 16 years, the definition of unemployment has been sharpened and clarified, the reporting on other items such as hours of work and self employment has been improved, and, finally, a considerable body of new information is being developed for persons not in the labor force.

Although the concept of unemployment that was being used in the CPS has been widely accepted, it has been pointed out by the Gordon Committee and others that some of the procedures were inadequate—in particular, they relied in too many instances on volunteered information, and they depended on questions which were not sufficiently detailed.

The Committee acknowledged that no single measure of unemployment would

satisfy all users of the statistics but did see a need for more precise boundaries between the unemployed and those not in the labor force and or more detailed classification within each of the two groups.

The Committee set forth five general criteria to be used in defining the concept of unemployment:

- 1. The concept should correspond to objectively measurable phenomena and should depend as little as possible on personal opinion or subjective attitudes.
- 2. The concept should be operationally feasible.
- 3. The definition used should be readily understandable and broadly consistent with the common understanding of these concepts.
- 4. The definition should <u>not</u> be so inclusive that it yields figures which are difficult to interpret.
- 5. The concept should reflect the usual market criteria used in measuring the national output—an unemployed person would be one seeking work yielding a monetary reward.

In translating these broad criteria into specific definitions and procedures, the Committee made the following recommendations:



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- 1. That the definition of employment continue to be based on work activity or job attachment during a specified calendar week, and that it include part-time workers regardless of the number of hours they worked or the reason they worked part time.
- 2. That the definition of unemployment should be based on recent jobseeking activity—that is, the person must have tested the labor market through some overt jobseeking effort within a specified time period—and current availability for work. Thus the unemployment definition was to be based on current labor market activity (rather than financial hardship or some other criteria).
- 3. That the definition of unemployment should include persons on layoff waiting to be called back to a job and persons who were waiting to report to new jobs within 30 days, if they were currently available for work.

Proposals to limit the definition to family breadwinners or to exclude the very short-term unemployed were rejected. Moreover, the fact that a person would accept only certain job offers, or had quit one job to look for another, or would not qualify for certain jobs was not considered to be a valid criterion in deciding his labor force classification. At the same time, persons who were idle and not seeking work because they believed none available were to be excluded from the unemployed, but a great deal of supplementary information was to be collected about the work experience and current status of persons outside the labor force.

In summary, the basic definition of unemployment was to be that persons without jobs who were seeking work and were available for work, plus those on layoff or waiting to start new jobs, were unemployed.

The Committee recommended that a separate sample be established to experiment with a sharpened definition of unemployment and to test questions designed to yield greater accuracy and more information about all components of the employed, the unemployed, and persons outside the labor force.

The Experimental Sample

A research sample was placed in operation by the Bureau of Labor Statistics in cooperation with the Census Bureau in April 1964. This sample was called the Monthly Labor Survey (MLS) and was selected in the same manner as the Current Population Survey (CPS); that is, it was an area probability sample of the entire United States. The initial sample for MLS was comprised of 8,750 households per month--one-fourth the size of the CPS--located in 105 sample areas, as compared with 357 for the CPS. In the summer of 1965, the MLS sample size was increased to 17,500 households per month, distributed among 197 areas. A completely independent staff of interviewers was used in the Monthly Labor Survey in order to avoid any possibility of affecting the continuing CPS results and to avoid confusion in the enumeration and in the interpretation of the findings. In each month, interviews were conducted in the same enumeration week as is used for the CPS, the week containing the 19th day of the month; the interviews tested various forms of questions relating to employment status during the preceding calendar week, the week containing the 12th of the month. The experimental survey also tested questions designed to increase accuracy in other items and to provide information not previously available.

After 2-1/2 years of careful testing, experimentation, and research, a final set of proposals for revision of the labor force definitions was drafted. The proposals were adopted in August 1966 and implemented in January 1967.

Changes Introduced in January 1967

The changes in definitions and procedures that have been adopted will increase the accuracy of the statistics and will clarify, but not substantially alter, the underlying concepts. The following are the principal improvements:

1. The MLS and CPS samples have been merged, enlarging the sample size to 52,500 households per month spread over 449 sample areas.

The previous sample comprised 35,000 households in 357 areas. Expansion of the sample yields a 20 percent average gain in the reliability of the statistics. This step is in line with the Gordon Committee's recommendation that, "Over the next 10 years, the sample should be substantially increased and progressively developed to meet the expanding needs for the data it provides."

2. The lower age limit for official statistics on employment, unemployment, and other manpower concepts has been raised from 14 to 16 years of age. This change reduces the 1966 annual average unemployment rate by 0.1 percentage point, the level by about 100,000, and the employed total by 1.2 million.

Employed youngsters of 14 and 15 work mainly as part-time newsboys, babysitters, etc.; they are barred from most occupations under the child labor laws. Unemployment in this age group has little significance in relation to broad economic or social accounting. Data will continue to be collected and published separately for the 14 and 15 year-olds, however (tables A-25 and A-26 of this magazine). Insofar as possible, the historical series are being revised to provide consistent labor force information based on the population 16 years and over (pages 12 and 13 and tables A-1 and A-2).

The Gordon Committee did not specifically recommend the exclusion of 14 and 15 year-olds, but it noted that their inclusion does create minor problems of interpretation and probably has led to some unnecessary criticism of the official figures.

3. To be counted as unemployed, a person must (a) have engaged in some specific jobseeking activity (going to the Employment Service, applying to an employer, answering a want-ad, being on a union or professional register, etc.) within the past 4 weeks, (b) be waiting to start a new job within 30 days, or (c) be waiting to be recalled from layoff. In all cases,

the individual must be currently available for work.

In the past, as the Gordon Committee pointed out, the household interview questionnaire did not specify a time period for jobseeking, and there had been no specific question concerning methods of seeking work. Moreover, in the past, no test of current availability was applied. A high school or college student, for example, who began to look for summer work in April was counted as unemployed in that month even though he did not want to work until the beginning of June. These ambiguities have been cleared up in the new procedures by replacing the single question "Was... looking for work?" with three questions, as follows: (1) "Has... been looking for work during the past 4 weeks?" If yes, ask (2) "What has... been doing in the last 4 weeks to find work?" If a specific activity is cited, ask (3) "Is there any reason why... could not take a job last week?" If not (or if the only reason was temporary illness), the person is considered to be available for work and is counted as unemployed.

A time period for jobseeking which extends beyond the survey week itself was selected, since, by its very nature, jobhunting does not necessarily involve specific identifiable activity every week. The more typical pattern of behavior probably involves periods of activity (i.e., checking with employers) followed by periods of waiting. Some forms of looking are continuous, i.e., registration with public employment agencies, but others are not.

The use of a 4-week period for the measurement of jobseeking activity is the

shortest of the various alternatives suggested by the Gordon Committee. This was done to minimize the inclusion of persons with very loose attachments to the labor force and to keep the time reference for jobseeking from getting too far out of line with that of jobholding.

4. The new definition does not include inactive work seekers who would have been looking for work except for the belief that no work was available. Under the new definition such persons are not in the current labor force if they took no steps to find work in the past 4 weeks.

In the past, the provision to include as unemployed those persons who would have been looking for work except they believed none was available in their line of work or in their community was meant to refer to discouraged workers in depressed areas or occupations.

1.

The Gordon Committee was very critical of the fact that no specific questions were used to elicit this information; it had to be volunteered. Because of its highly subjective nature, however, the measurement of "discouraged workers" or "disguised unemployment" requires considerable research and experimentation. It seemed preferable, therefore, to eliminate these inactive work seekers from the definition of unemployment--which would be restricted to jobless individuals who are currently available for work and seeking work--while experimenting with various questions designed to find out why jobless persons who are able and willing to work are not seeking work.



5. Persons holding a job but not at work during the survey week are now classified as employed, even though they were seeking other jobs.

Up to now the small group of persons absent from their jobs the entire survey week because of vacations, illness, strikes, bad weather, etc., who were looking for other jobs was classified as unemployed. Starting in January 1967, such persons are classified as employed—that is, among others "with a job but not at work."

Persons on layoff from a job and those waiting to start new jobs in 30 days will continue to be counted among the unemployed because their job attachments are so tenuous. The timing of their return to work is much less definite, since their presence or absence depends on the decisions of their employers rather than on temporary phenomena or on personal reasons.

- 6. Through the addition of new questions and changes in question wording, four important items of information will be reported more accurately than in the past. These improvements do not involve changes in definition or classification but, rather, more explicit ways of obtaining the desired information than were used in the past.
- a. In order to identify persons on layoff from a job, the question on reason for absence from a job was changed to "Did he have a job from which he was temporarily absent or on layoff last week?" In addition, there is a place on the schedule to record the fact that a person was

on indefinite or more-than-30-day layoff. In the past, this information had to be volunteered and the size of the group was not known.

- b. In order to improve the reporting on duration of unemployment, there is a question as to the date unemployed persons last worked at a full-time job. This is in addition to the regular question on the number of weeks they have been looking for work. If the time since the last job held is shorter than the duration of unemployment as reported, the interviewer asks further questions to obtain the correct answers.
- c. In order to make more specific the reporting of hours worked, a series of probing questions was added to remind the respondent of time taken off during the survey week because of holidays, illness, or personal reasons; of overtime worked; or of hours spent on a second job. The more extensive questioning on hours will counteract the tendency of some respondents to report scheduled hours rather than actual hours of work.
- d. In the past, estimates of the self employed have been too high because they included some persons who were the operators of small incorporated family enterprises and regarded themselves as proprietors, rather than as wage or salary workers. The misclassification of these wage and salary workers as self employed has been one of the major reasons for the discrepancy between household and establishment statistics on wage and salaried workers. Now, an additional question is asked for all persons reported as self



employed in a nonfarm business as to whether the business was incorporated.

- 7. Additional information about the composition of the employed, the unemployed, and persons outside the labor force is being developed, in line with the general recommendations of the Gordon Committee that more detailed breakdowns be made available.
- a. For the employed, for example, a question was added to collect information on whether persons with a job but not at work <u>usually</u> work full time or part time at their present jobs. This would permit more complete estimates of the full-time and part-time labor force, by combining this information with the data for those at work and with the data on whether the unemployed are seeking full-time or part-time work.
- b. The Committee's recommendations that unemployed heads of households and unemployed persons seeking part-time work should be identified separately in the statistics have actually been in effect since January 1963.
- c. The new CPS questionnaire also includes a question on the reasons unemployed persons started looking for a job, i.e., whether they lost a job, quit a job, or entered the labor force for the first time or after a period of nonparticipation.
- d. For persons not in the labor force, information is being obtained on when they last worked; the reasons for leaving their last job; the occupation and industry of that job; whether they want to work at the present time and, if so, the

reasons they are not seeking work; and their intentions of seeking work in the next 12 months. These questions should still be regarded as in an experimental and developmental stage, although they have already yielded a considerable amount of useful information.

Results of the New Definitions and Procedures

Prior to July 1965, as has been noted, the testing program was carried out with an independent sample of 8,750 households in 105 areas by independent interviewers. Because of the small size of the experimental sample, not too much confidence could be placed in the results. In the summer of 1965, the experimental sample was doubled, new interviewers trained, and the test estimates based on about 17,500 households; the staff was still independent of the CPS staff. In November 1965, the estimations were made using exactly the same procedure as in the CPS. (This is a composite estimate, based in part on the change in identical sample units from one month to the next and in part on the current month's data alone.) The differences that have remained between the results of CPS and MLS since November 1965 reflect the net effect of all the changes in definitions and question wording, as well as sampling variability. Comparisons cited below are averages for the calendar year 1966, unless otherwise specified, and relate to the civilian noninstitutional population 16 years of age and over.

I. Summary estimates of employment status

As noted earlier, the experimental program retained the same basic defini-



tion of employment. It is not surprising, therefore, that comparisons of the MLS and CPS estimates of total, agricultural, and nonagricultural employment have been well within the expected sampling error.

On balance, the new definition of unemployment appears to be slightly more consistent than the old and yields a level about 100,000 lower than the official 1966 average--2.8 million in MLS, as compared with 2.9 million in CPS (table 1). Most of the changes in definition tended to be more restrictive--the requirement that overt steps be taken to look for work, the test of current availability, the change in the definition of persons absent from their jobs who sought other work. On the other hand, the extension of the time period for jobseeking to an explicit 4 weeks probably was less restrictive. The time period used in the survey prior to 1967 had been somewhat vague and was probably interpreted by some women jobseekers to refer only to the survey week itself.

II. Characteristics of the unemployed

During 1966, the MLS showed a somewhat lower count of unemployed adult men and higher count of adult women jobseekers. For adult men, the MLS annual average was 130,000 lower than CPS and the jobless rate was 2.2 percent as compared with 2.5 (tables 1 and 4). For women, on the other hand, the MLS level was 100,000 higher and the rate was 4.2 percent as compared with 3.8. These differences were well beyond what might be expected from sampling variability alone. Special test questions indicate that about half the difference for adult men could be attributed to the change in the definition of

persons holding jobs who were seeking another job while absent from work and about half to the elimination of inactive jobseekers. The higher rates for adult women were probably the result of extending the time period for jobseeking to 4 weeks.

Unemployment of teenagers averaged about 65,000 or 1 full percentage point less in MLS than in CPS. This was mainly the result of the availability test which eliminated many students from the unemployed count in March, April, May, and June. In making over-the-year or longer-term comparisons of teenage unemployment for the spring months (March-June), the seasonally adjusted series should be used since it would be more comparable than the unadjusted series. The seasonal factors developed for teenage unemployment in 1967 describe a different seasonal pattern (one that reflects the effects of the availability test) from the one prevailing through 1966 before the change in definitions, but the seasonally adjusted series would be fairly comparable.

The MLS shows less long-term unemployment of 27 weeks or longer, averaging about 190,000 in 1966 as compared with 240,000 in the CPS (table 3). The main reason for this difference is probably the effect of the additional probing question on when the unemployed person last worked. This check question apparently reminds some respondents of periods of employment which broke up their spell of unemployment. Reminding respondents of intermittent work experience also reduces the number of unemployed who never worked. For experienced workers, however, the distributions by industry and

occupation of last job held were very similar (table 5).

The new definitions and procedures reduced the number of unemployed persons seeking full-time work by about 200,000 (on an annual average basis) whereas it raised the number seeking part-time jobs by 100,000 (table 7). About half the reduction in full-time jobseekers was among teenagers, reflecting the effect of the availability test in the spring months. The remainder were adult men 25-54 years of age. Again, it can be estimated that at least half of this difference resulted from the change in classification (from unemployed to employed) of persons who had jobs but were absent the entire survey week and were seeking other jobs. The increase in part-time jobseekers occurred among women and teenagers, probably because of the extension of the time period for jobseeking to 4 weeks.

III. Characteristics of the employed

The effect of the change in the definition of persons who had jobs but were seeking others, which shifted about 80,000 persons from the unemployed to the employed, was too small to be perceptible in the figures on employed persons by age and sex cr by major occupation group. Most of the comparisons were well within the limits of normal sampling variability. Exceptions were the managers, officials, and proprietors group; the sales workers; and the farmers and farm managers: but there is no particular explanation of these differences that can be traced to changes in definitions or procedures (table 11).

The effect of the question as to whether a business was incorporated was to reduce the average level of nonfarm self employment by about 750,000 and to raise wage and salary employment by a corresponding amount. Thus the MLS procedures will tend to reduce the gap between the household and establishment survey estimates of nonfarm wage and salary employment.

Because of the probing questions on hours of work, the MLS showed about 1.3 million more employed persons who were working less than 35 hours (table 13). This was a 10 percent increase over the CPS level of 13.2 million. About two-thirds of the additional part-time workers were in the 30-34 hours category. The MLS procedure resulted in 600,000 more employed persons working over 40 hours, about a 3 percent increase over CPS. Virtually all of these extra part-time and overtime workers moved out of the group that originally reported working precisely 40 hours. The net affect of all these changes was to reduce average hours for all workers and for nonfarm workers by 0.2 hour.

About 900,000 or 70 percent of the 1.3 million additional part-time workers were those who usually work full time but in the survey week worked under 35 hours for noneconomic reasons—mainly temporary illness or miscellaneous personal reasons (table 14). These workers are already included in the category designated as "on full-time schedules" since their normal workweek is 35 hours or longer.

The probing question also raised the estimate of persons on part time for economic reasons, as well as those who

usually work part time voluntarily, by about 200,000 each.

IV. Persons not in the labor force

The differences between the CPS and the MLS in the overall labor force levels, by sex, were well within the limits of expected sampling variability. This was also true of the individual age groups.

Through the Monthly Labor Survey, questions were developed which provided a substantial amount of new information on the characteristics of persons not in the labor force. These data will be collected regularly from one-fourth of the sample. Current plans are to publish quarterly data based on a cumulation of interviews for 3 successive months in order to reduce the sampling variability of the estimates. At the same time, experimentation with new questions and categories for persons not in the labor force will continue.

Questions on date of last work experience, reasons for leaving last job, and intentions to seek work are asked of all persons 16 years of age and over. For illustrative purposes, the following section summarizes the findings for the first 6 months of 1966 for men 18 to 64 years of age.

Nearly half of the 4-1/2 million men not in the labor force in the first 6 months of 1966 had been employed in the preceding 18 months; about 1.4 million worked during 1966, and 750,000 were last employed in 1965. Another 900,000 held their last jobs between 1961 and 1964. The remaining 1.4 million either had not worked in the last

5 years or had never worked. Virtually all of those who had never worked were under age 25 or were unable to work.

The fact that almost one-third of the men not in the labor force had worked in the previous 6 months suggests that these men may still have a strong attachment to the labor force. Many of them intend to reenter the labor force within the next year--after completion of school, discharge from the Armed Forces, recovery from temporary illness, or completion of brief vacations between jobs.

The 4-1/2 million men not in the labor force in 1966 included I million who were unable to work because of a long-term physical or mental disability. When the unable-to-work group is excluded, the proportion having recent work experience rises sharply. This difference was particularly notable among men of prime working age (25-54 years). Of those able to work, 44 percent had been employed in the preceding 6 months. In some cases, the same individuals remain outside the labor force for several years or permanently, but these long-term nonparticipants are a minority among men in the central age groups who are able to work. From the nearly 3 million men not in the labor force who had worked in the last 5 years, information was obtained as to why they left their last regular full-time or part-time job. Included in the 3 million were 500,000 men classified as unable to work, virtually all of whom had left their previous jobs for medical or health reasons. The unableto-work group is excluded from the following discussion, leaving nearly 2.5 million men who had worked in the last 5 years and were still able to work.



Only 300,000, about one-eight, of the total 2.5 million able to work had left their last jobs for economic reasons. "Economic reasons" were interpreted to include slack work, completion of seasonal or temporary jobs, changes in company management, and similar reasons.

About 60 percent of the 18-64 year-old men had left their last jobs for personal, family, school, or other noneconomic reasons. Not surprisingly, 7 out of 8 of those age 18-24 years cited these reasons. Personal, family, school, and miscellaneous nonecomomic reasons were also reported for about one-third of the 25-54 year-olds, and a similar proportion of this group left their last jobs for medical or health reasons. Retirement was the leading reason for 55-64 year-olds, closely followed by medical or health reasons.

A majority (57 percent) of the 3.4 million men not in the labor force who were able to work intended to seek employment within the next 12 months. Altogether, nearly 2 million men reported definite, probable, or possible plans to seek work in the next year. The "maybe" group included persons whose intentions were somewhat weak or qualified. For example, a man who said he would lock for work if his health permitted would be classified as a possible jobseeker. On the other hand, 1,450,000 (43 percent of the ableto-work total) were reported as not intending to look or not knowing whether they would look for work in the next year.

Typically, young men most frequently reported intentions to seek work. Approximately three-fourths of the 18-24 are being revised, insofar as possible, to

year-olds planned to look for jobs in the next 12 months, compared with about half of the 25-54 year-olds and one-fourth of the 55-64 age group. Most of the young men not intending to seek work probably planned to continue school or expected to be in the Armed Forces for the next 12 months. On the other hand, most of the 55-64 year-olds not intending to look were probably retirees or men who considered themselves too old to work; two-thirds of this group were 60-64 years of age.

About 350,000 men age 25-54 years reported no intention to seek work; a nearly equal number did plan to look. Two factors, age and recent work experience, have considerable influence on the jobseeking intentions of men in the central age groups. The group which planned to seek work was significantly younger than those who did not. Also, the great majority (85 percent) of the 25-54 year-olds who planned to look had worked since 1961. In contrast, only 60 percent of the group which did not intend to look had worked within the past 5 years.

Men who left their last jobs for economic reasons did not appear to have given up the search for employment. Approximately 75 percent of those reporting unemployment for economic reasons intended to seek work within the next year. The comparable proportion among those who left their previous jobs for noneconomic reasons was 65 percent.

Revision in the Historical Data

As noted earlier, the historical data



provide comparable series based on persons 16 years of age and over. Apart from this revision in the age cutoff, however, the historical data from CPS are not being revised. For the estimates of total and civilian labor force, and for total, agricultural, and nongagricultural employment, the changes in definition and procedure had no perceptible effect. This was also true of the age-sex and occupational breakdowns. Even for unemployment and the unemployment rate, the difference between the MLS and CPS estimates for calendar year 1966 was on the borderline of statistical significance. Thus, for most analytical purposes, the current series in 1967 may be regarded as reasonably comparable to those of previous years.

There were a few significant differences in the composition of the unemployed by age and sex, duration of unemployment, and whether seeking full-time or part-time work and in the composition of the employed by hours of work and class

of worker. The data from the two surveys for the overlap year of 1966 are shown in tables 1-i4 following this article. These comparison tables are provided so that users of the data will be able to decide whether their analyses and conclusions might be affected by the changes in definition.

Most of the detailed series showed very small differences which were within sampling error (tables A and B). Even where significant differences did occur, however, it was not considered technically feasible to revise two decades of historical statistics (which reflected periods of war and peace, high and low employment, inflation and price stability) on the basis of a single year of data from a relatively small sample--one-half the size of the sample used for the official series. The overlap data are useful, however, as a guide to the analyst in evaluating comparisons between the current period and the period ending December 1966.



Table A. Standard errors of differences between annual average estimates based on Monthly Labor Survey and Current Population Survey

Size of larger of the two estimates (thousands)	Standard error (thousands)
250	25
500	35
1,000	•
2,500	50
•	75
5,000	100
10,000	120
25,000	150
50,000	180

Table B. Standard errors of differences between annual average percentages based on Monthly Labor Survey and Current Population Survey

Taga C		Percentage						
Base of percentage (thousands)	2 or 98	5 or 95	10 or 90	25 or 75	50			
1,000 5,000 10,000 25,000 50,000	.5 .3 .2 .1	1.1 .5 .3 .2	1.4 .7 .5 .3	2.0 1.0 .7 .3	2.5 1.2 .7 .4			

Table 1. Employment Status by Age and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands)

			MLS-
Age and sex	MLS	CPS	CPS difference
TOTAL	75 746	75 770	
Civilian labor force	75,715	75,770	-55
Employed	72,939	72,895	44
Agriculture	3,904	3,979	-75
Nonagricultural industries	69,035	68,916	119
Unemployed	2,776	2,875	-99
Not in labor force	52,343	52,288	55
MEN, 20 YEARS AND OVER			
Civilian labor force	44,637	44,786	-149
Employed	43,650	43,667	-17
Agriculture	2,901	2,894	7
Nonagricultural industries	40,750	40,773	-23
Unemployed	987	1,119	-132
Not in labor force	8,967	8,818	149
WOMEN, 20 YEARS AND OVER			
Civilian labor force	24,512	24,427	85
Employed	23,493	23,507	-14
Agriculture	626	675	-49
Nonagricultural industries	22,867	22,832	35
Unemployed	1,019	919	100
Not in labor force	36,348	36,434	-86
BOTH SEXES, 16 TO 19 YEARS	:		
Civilian labor force	6,565	6,557	8
Employed	5,795	5,721	74
Agriculture	377	410	-33
Nonagriculturel industries	5,4 1 8	5,310	108
Unemployed	770	836	-66
Not in labor force	7,029	7,036	- 7
	.,	,,,,,,	·

Table 2. Employment Status by Color, Age, and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands)

		WHITE			NONWHITE	2
Age and sex	MLS	CPS	MLS- CPS differ- ence	MILS	CPS	MLS- CPS differ- ence
TOTAL Civilian labor force Employed Agriculture Nonagricultural industries Unemployed Not in labor force MEN, 20 YEARS AND OVER Civilian labor force Employed Agriculture Nonagricultural industries Unemployed Not in labor force WOMEN, 20 YEARS AND OVER Civilian labor force Employed Not in labor force WOMEN, 20 YEARS AND OVER Civilian labor force Unemployed Agriculture Nonagricultural industries Unemployed Not in labor force	MLS 67,237 65,105 3,390 61,715 2,131 47,328 40,208 39,412 2,542 36.870 795 8,034 21,235 20,484 524 19,960 751 33,226	67,274 65.022 3,479 61,543 2,255 47,292 40,319 39,418 2,571 36,847 901 7,923 21,128 20,427 560 19,867 703 33,333	1	MLS 8,478 7,833 514 7,319 645 5,015 4,430 4,238 360 3,879 191 932 3,277 3,009 101 2,908 268 3,122	CPS 8,496 7,876 500 7,376 622 4,995 4,468 4,250 323 3,927 219 895 3,300 3,083 115 2,968 217 3,099	1
BOTH SEXES, 16 TO 19 YEARS Civilian labor force Employed Agriculture Nonagricultural industries Unemployed Not in labor force	5,795 5,209 324 4,885 585 6,068	5,827 5,176 348 4,828 651 6,035	-32 33 -24 57 -66 33	771 587 53 533 184 960	730 544 63 482 186 1,001	4 <u>1</u> 43 -10 51 -2 -41

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Table 3. Duration of Unemployment, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands)

Duration	MILS	CPS	MLS- CPS difference
Total unemployed Less than 5 weeks 5 to 14 weeks 11 to 14 weeks 15 weeks and over 15 to 26 weeks 27 weeks and over Average (mean) duration.	2,776	2,875	-99
	1,521	1,573	-52
	792	779	13
	610	577	33
	182	201	-19
	463	525	-62
	275	287	-12
	189	239	-50
	9.3	10.3	-1.0

Table 4. Major Unemployment Rates, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

	
MLS	CPS
3.7	3.8
2.2 4.2 11.7	2.5 3.8 12.7
3.2 7.6	3.4 7.3
1.7 3.2 .6 4.1	1.9 3.5 .7 4.2
	3.7 2.2 4.2 11.7 3.2 7.6 1.7 3.2 .6

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Table 5. Unemployment Levels and Rates by Occupation and Industry,
Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

	T	housands		Ra	tes
Occupation and industry	MLS	CPS	MLS- CPS dif- fer- ence	MLS	CPS
OCCUPATION GROUP White-collar workers Professional and managerial Clerical workers Sales workers Blue-collar workers Craftsmen and foremen Operatives Nonfarm laborers Service workers Farm workers No previous work experience	681 175 371 135 1,148 247 654 247 435 86 425	680 201 348 131 1,192 279 629 284 447 81 476	1 -26 23 4 -44 -32 25 -37 -22 5 -51	2.0 1.0 3.0 3.0 4.1 2.5 4.5 6.5 4.5	2.0 1.2 2.9 2.8 4.2 2.8 4.3 7.4 4.6 2.2
INDUSTRY GROUP Private wage and salary workers	2,115 101 26 280 631 321 310 82 496 497	2,129 84 20 287 650 325 325 88 527 472	-14 17 6 -7 -19 -4 -15 -6 -31 25	3.8 7.2 5.1 7.6 3.1 2.7 3.7 1.9 4.2 3.6	3.8 6.3 3.7 8.1 3.2 2.8 3.8 2.1 4.4 3.5

Table 6. Unemployment by Age and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

		Thousan	ds	Rat	es
Age an d sex	MLS	CPS	MLS- CPS differ- ence	MLS	CPS
Total, 16 years and over 16 and 17 years 20 to 24 years 25 years and over 55 years and over 55 to 64 years 65 years and over 16 and 17 years 18 and 19 years 20 to 24 years 25 years and over 25 years and over 55 to 64 years 26 years and over 27 years and over 28 years and over 29 years and over 20 to 24 years 20 to 54 years 21 years and over 22 years and over 23 years and over 24 years 25 years and over 25 years and over	2,776 393 376 438 1,568 1,199 369 279 90 1,411 231 192 197 790 539 250 183 67	2,875 395 441 445 1,593 1,235 358 266 92 1,551 220 212 221 898 654 245 180 65	-99 -2 -65 -7 -25 -36 11 13 -2 -140 11 -20 -24 -108 -115 5 3 2	3.7 14.8 9.6 5.2 2.6 2.7 2.6 3.0 2.9 14.4 9.2 4.1 2.0 1.7 2.8 2.7 3.3	3.8 14.8 11.3 5.3 2.6 2.6 2.6 2.5 3.0 3.2 13.7 10.2 4.6 2.2 2.1 2.7 2.6 3.1
Female, 16 years and over 16 and 17 years 18 and 19 years 20 to 24 years 25 years and over 55 years and over 55 to 64 years 65 years and over.	1,365 162 184 241 778 660 119 96 23	1,324 175 229 224 695 581 113 86 27	41 -13 -45 17 83 79 6 10 -4	5.0 15.4 10.1 6.6 3.7 4.1 2.5 2.6 2.3	4.8 16.6 12.6 6.3 3.6 2.6 2.6

Table 7. Unemployed Persons by Full- or Part-time Status, Age, and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands) Looking for part-Looking for fulltime work time work MLS-MLS-CPS CPS differdifference CPS MLS ence CPS MLS Age and sex -199 2,316 2,117 Total, 16 years and over..... -40 16 and 17 years..... -2 -61 18 and 19 years..... -15 20 to 24 years.... -81 1,389 1,308 25 years and over..... - 79 1,101 1,022 25 to 54 years..... -2 55 years and over.... 55 to 64 years..... **-**7 65 years and over.. -181 1,306 1,125 Male, 16 years and over..... -17 16 and 17 years..... -23 18 and 19 years..... -4 -20 20 to 24 years..... -120 25 years and over..... -119 25 to 54 years..... -1 55 years and over.... 55 to 64 years.... -4 65 years and over.. -18 1,010 Female, 16 years and over.... -23 16 and 17 years..... -6 -38 18 and 19 years..... 20 to 24 years..... 25 years and over..... 25 to 54 years..... -1 55 years and over.... 55 to 64 years.... -1 -3 65 years and over..

Table 8. Employed Persons by Age and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands) Nonagricultural industries All industries MLS-MLS-CPS CPS differdifference CPS MLS ence CPS MLS Age and sex 120 68,916 69,035 44 72,895 Total, 16 years and over..... 72,939 28 2,011 2,039 -4 2,269 2,265 16 and 17 years..... 80 3,299 3,379 78 3,452 3,530 18 and 19 years..... 74 7,715 7,789 75 7,963 8,038 20 to 24 years..... -59 55,887 55,828 -107 59,212 59,105 25 years and over..... -140 43,850 43,710 **-123** 45,944 45,821 25 to 54 years..... 80 12,037 12,117 18 13,286 13,268 55 years and over.... 36 9,535 9,571 19 10,327 10,308 55 to 64 years.... 44 2,502 2,546 -1 2,960 2,959 65 years and over.. 34 43,675 43,709 **-**5 46,919 Male, 16 years and over..... 46,914 21 1,170 1,191 -13 1,390 1,377 16 and 17 years..... 37 1,732 1,769 25 1,887 1,862 18 and 19 years..... 4,393 1 4,394 13 4,599 4,612 20 to 24 years..... -22 36,378 36,356 -31 39,069 39,038 25 years and over..... -28 28,734 28,706 1 30,379 30,378 25 to 54 years..... 5 7,644 7,649 -31 8,660 8,691 55 years and over.... 13 6,032 6,045 12 6,667 6,679 55 to 64 years.... -8 1,612 1,604 -43 2,024 1,981 65 years and over.. 86 25,240 25,326 48 25,976 26,024 Female, 16 years and over.... 7 841 848 9 879 888 16 and 17 years..... 43 1,610 1,567 53 1,590 1,643 18 and 19 years..... 73 3,322 3,395 62 3,426 3,364 20 to 24 years..... -37 19,509 19,472 -76 20,143 20,067 25 years and over..... -112 15,116 15,004 -124 15,566 15,442 25 to 54 years..... 75 4,468 4,393 49 4,626 4,577 55 years and over.... 23 3,503 3,526 7 3,648 3,641 55 to 64 years.... 52 890 942 42 936 978 65 years and over..

Table 9. Civilian Labor Force by Age and Sex, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

		Thousands		ipation tes	
Age and sex	MLS	CPS	MLS CPS differ- ence	MLS	CPS
Total, 16 years and over	75,715	75,770	-55	50.1	59.2
16 and 17 years	2,657	2,664	- 7	38.4	38.5
18 and 19 years	3,907	3,893	14	58.5	58.3
20 to 24 years	8,476	8,409	67	67.1	66.5
25 years and over	60,673	60,804	-131	59.6	59.7
25 to 54 years	47,019	47,178	-159	70.1	70.3
55 years and over	13,655	13,626	29	39.3	39.2
55 to 64 years	10,605	10,574	31	62.4	62.2
65 years and over	3,050	3,052	2	17.2	17.2
Male, 16 years and over	48,325	48,471	-146	80.2	80.4
16 and 17 years	1,608	1,610	-2	46.2	46.3
18 and 19 years	2,079	2,074	5	65.4	65.2
20 to 24 years	4,809	4,820	-11	84.9	85.1
25 years and over	39,828	39,967	-139	83.1	83.4
25 to 54 years	30,917	31,031	-114	96.3	96.6
55 years and over	8,912	8,936	-24	56.3	56.5
55 to 64 years	6,862	6,847	15	84.7	84.5
65 years and over	2,050	2,089	-39	26.5	27.0
Female, 16 years and over	27,390	27,299	91	40.4	40.3
16 and 17 years	1,049	1,054	- 5	30.5	30.7
18 and 19 years	1,828	1,819	9	52.2	52.0
20 to 24 years	3,667	3,589	78	52.6	51.5
25 years and over	20,845	20,837	8	38.7	38.7
25 to 54 years	16,102	16,147	-45	46.0	46.2
55 years and over	4,743	4,690	53	25.1	24.8
55 to 64 years	3,743	3,727	16	42.0	41.8
65 years and over	1,000	963	37	10.0	9.6

Table 10. Employment Status by Age, Sex, and Color, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

	<u> </u>	White			Nonwhit	е
Age and sex	MILS	CPS	MLS- CPS differ- ence	MILS	CPS	MLS- CPS differ- ence
CTITT TAN TARON FORCE						
CIVILIAN LABOR FORCE Total (thousands)	67,237	67,277	-40	8,478	8,498	-20
2004-	43,449	43,572	-123	4,876	4,899	-23
Male, 16 years and over	3,242	3,253	-11	446	431	15
16 to 19 years	4,198	4,200	-2	612	620	-8
20 to 24 years	27,872	27,940	-68	3,043	3,090	- 47
25 to 54 years	8,137	8,179	-42	775	758	17
55 years and over	23,788	23,705	83	3,602	3,599	3
Female, 16 years and over	2,553	2,574	-21	325	299	26
16 to 19 years	3,213	3,124	89	454	466	-12
20 to 24 years	13,778	13,807	-29	2,324	2,342	-18
25 to 54 years	4,244	4,201	43	499	492	7
LABOR FORCE PARTICIPATION RATE						
	58.7	58.7		62.8	63.0	2
Total Male, 16 years and over	80.4	80.6	2	78.6	79.0	4
· ·	55.7	55.9	2	53.2	51.4	1.8
16 to 19 years	84.4	84.4		88.7	89.9	-1.2
	96.7	97.0	3	92.1	93.5	-1.4
25 to 54 years	56.3	56.6	3	56.6	55.4	1.2
Female, 16 years and over	39.3	39.2	.1	49.4	49.4	
16 to 19 years	42.3	42.6	3	36.4	33.5	2.9
20 to 24 years	52.5	51.0	1.5	53.1	54.5	-1.4
25 to 54 years	44.4	44.5	1	58.4	58.8	4
55 years and over	24.5	24.2	.3	31.9	31.4	.5
EMPLOYED PERSONS		ł		}		
Total (thousands)	65,105	65,022	83	7,833	7,876	-43
Male, 16 years and over	42,325	42,331	-6	4,589	4,588	1
16 to 19 years	2,913	2,913		351	339	12
20 to 24 years	4,046	4,028	18	566	571	-5
25 to 54 years	27,445	27,422	23	2,933	2,954	-21
55 years and over	7,922	7,968	-46	739	724	15
Female, 16 years and over	22,780	22,690	90	3,244	3,288	-44
16 to 19 years	2,296	2,263	33	236	205	31
20 to 24 years	3,054	2,958	96	372	407	-35
25 to 54 years	13,287	13,366	-79	2,153	2,200	-47
55 years and over	4,142	4,103	39	483	475	8
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Table 10. Employment Status by Age, Sex, and Color, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966--Continued

		White		Nonwhite		
Age and sex	MLS	CPS	MLS- CPS differ- ence	MLS	CPS	MLS- CPS differ- ence
UNEMPLOYED PERSONS Total (thousands) Male, 16 years and over 16 to 19 years 20 to 24 years 55 years and over Female, 16 years and over 16 to 19 years 20 to 24 years 25 to 54 years and over 26 to 54 years 27 to 54 years 28 to 54 years 29 to 54 years 20 to 24 years 20 to 24 years 21 to 54 years 22 to 54 years	2,131 1,123 328 152 427 214 1,008 257 159 488 104	2,255 1,241 340 172 518 211 1,014 311 166 440 97	-124 -118 -12 -20 -91 3 -6 -54 -7 48 7	645 287 95 45 110 35 358 89 82 170 16	622 311 92 49 136 34 311 94 59 142 17	23 -24 3 -4 -26 1 47 -5 23 28 -1
UNEMPLOYMENT RATE Total Male, 16 years and over 16 to 19 years 20 to 24 years 55 years and over Female, 16 years and over 16 to 19 years 20 to 24 years 25 to 54 years 27 to 54 years 28 to 54 years 29 to 24 years 20 to 24 years 20 to 24 years 21 to 54 years	3.2 2.6 10.1 3.6 1.5 2.6 4.2 10.1 4.9 3.5 2.5	3.4 2.8 10.4 4.1 1.9 2.6 4.3 12.1 5.3 3.2 2.3	2 2 3 5 4 1 -2.0 4 .3	7.6 5.9 21.4 7.4 3.6 4.5 9.9 27.4 18.1 7.3 3.2	7.3 6.3 21.4 7.9 4.4 4.5 8.6 31.3 12.7 6.1 3.5	.3 4 5 8 1.3 -3.9 5.4 1.2 3

Table 11. Employed Persons by Class of Worker and Occupation Group, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands) MLS-CPS Class of worker and differoccupation MLS **CPS** ence CLASS OF WORKER Total..... 72,939 72,895 44 Nonagricultural industries..... 69,035 68,916 119 Wage and salary workers..... 63,274 62,364 910 Private household workers..... 2,070 2,103 33 Government workers..... 10,540 10,322 218 Other wage and salary workers..... 50,631 49,972 659 Self-employed workers..... 5,248 5,991 **-743** Unpaid family workers..... 513 564 -51 Agriculture..... 3,904 3,979 -75 Wage and salary workers..... 1,333 1,265 68 Self-employed workers..... 2,014 2,135 -121 Unpaid family workers..... 578 557 -21 OCCUPATION 72,939 Total............ 72,895 44 White-collar workers..... 33,067 33,137 70 9,355 Professional and technical..... 9,309 46 Managers, officials, and proprietors... 7,586 7,406 180 Clerical workers..... 11,852 11,811 41 Sales worker..... 4,344 4,541 -197 27.037 Blue-collar workers..... 26,950 87 Craftsmen and foremen...... 9,572 9,585 **-1**3 Operatives..... 13,911 13,831 80 Non-farm laborers..... 3,554 3,534 20 Service workers..... 9,211 9,183 -28 Private household workers..... 1,927 1,904 **2**3 Other service workers..... 7,256 7,307 -51 Farm workers..... 3,670 3,583 -87 Farmers and farm managers..... 1,986 2,094 -108 Farm laborers and foremen..... 1,597 1,576 21

Table 12. Employed Persons With a Job, but Not at Work, by Reason Not Working and Pay Status, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands) MLS-CPS differ-Reason not working and CPS MLS ence pay status 77 3,672 3,595 Total with a job, but not at work 121 1,874 1,753 Vacation 10 Illness 1,049 1,039 9 Bad weather..... 100 91 -5 61 66 Industrial dispute..... **-**57 589 646 All other reasons...... Wage and salary workers: 78 1,825 1,747 Paid absence 95 Unpaid absence..... 1,485 1,390 -96 458 362 Self employed.....

Table 13. Persons at Work by Hours of Work, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

	(In	thousands)			
	A1	1 industr	ies	Nonagri	cultural i	ndustries
Hours of work	MLS	CPS	MLS- CPS differ- ence	MLS	CPS	MLS- CPS differ- ence
Total at work	69,267	69,303	-36	65,499	65,456	43
1 to 34 hours	6,657 4,020 54,786 4,383 26,358 24,045 10,178 7,442 6,425	13,174 668 2,996 6,316 3,191 56,129 4,329 28,384 23,416 10,035 6,804 6,577	1,307 6 130 341 829 -1,343 54 -2,026 629 143 638 -152	13,349 636 2,879 6,020 3,809 52,150 4,197 26,005 21,948 9,826 6,919 5,203	12,034 620 2,712 5,689 3,011 53,422 4,081 28,007 21,334 9,664 6,366 5,304	1,315 16 167 331 798 -1,272 116 -2,002 614 162 553 -101
Average hours, total at work.	40.6	40.8	2	40.3	40.5	2

Table 14. Persons At Work 1-34 Hours by Usual Status and Reason Working Part Time, Monthly Labor Survey - Current Population Survey Comparisons, Annual Average 1966

(In thousands) Nonagricultural industries All industries MLS-MLS-CPS **CP**S difdifferfer-CPS ence MLS ence **CPS** MLS Reason working part time 1,315 12,031 13,346 1,307 13,172 14,479 Total..... 210 1,664 222 1,874 1,894 Economic reasons..... 2,116 62 871 933 51 Usually work full time..... 1,005 1,056 599 28 627 17 724 Slack work..... 741 27 59 28 86 601 Shortages or repairs..... 88 6 214 6 220 222 Job turnover..... 228 793 148 941 171 889 1,060 Usually work part time..... 169 102 271 124 194 318 Slack work..... 624 46 670 47 Could find only part-time work. 695 742 10,367 1,105 11,472 1,085 11,278 Noneconomic reasons..... 12,363 2,926 915 3,841 921 4,087 3,166 Usually work full time..... 296 40 336 40 304 344 Vacation................. 378 831 378 1,209 1,244 866 Illness.... 15 349 15 364 503 518 Bad weather.... 2 27 2 29 27 Industrial dispute..... 29 121 759 880 122 761 Legal or religious holiday..... 883 359 664 1,023 364 705 All other reasons..... 1,069 190 7,441 7,631 164 8,112 Usually work part time..... 8,276

